



PatternFinder

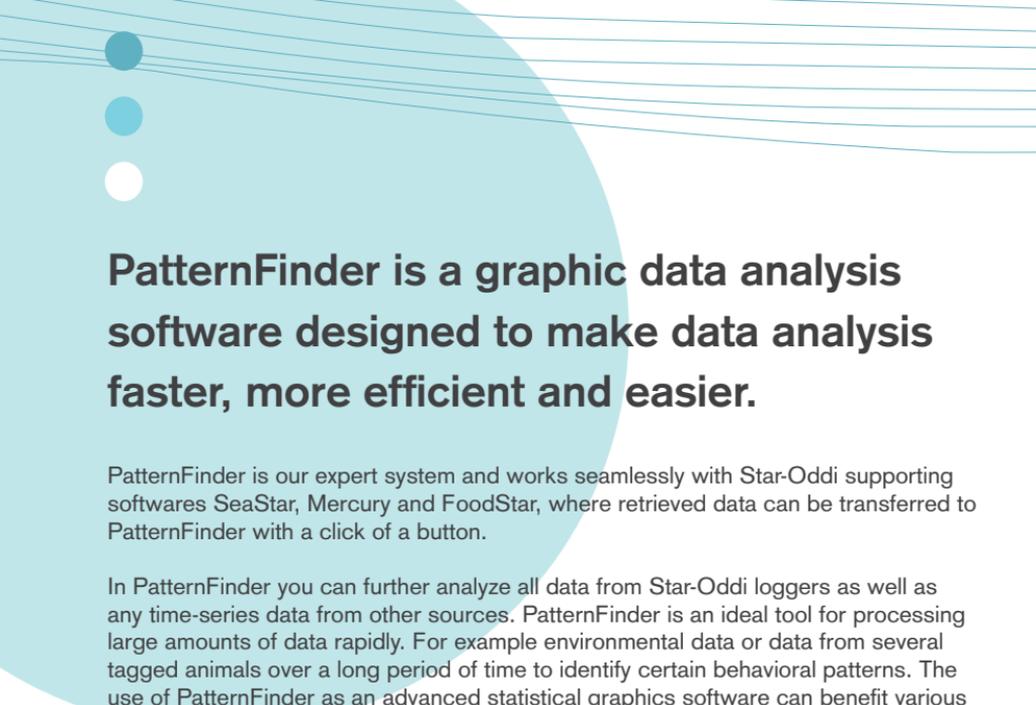
Graphic data analysis software



STAR : ODDI

Logging Life Science

www.star-oddi.com



PatternFinder is a graphic data analysis software designed to make data analysis faster, more efficient and easier.

PatternFinder is our expert system and works seamlessly with Star-Oddi supporting softwares SeaStar, Mercury and FoodStar, where retrieved data can be transferred to PatternFinder with a click of a button.

In PatternFinder you can further analyze all data from Star-Oddi loggers as well as any time-series data from other sources. PatternFinder is an ideal tool for processing large amounts of data rapidly. For example environmental data or data from several tagged animals over a long period of time to identify certain behavioral patterns. The use of PatternFinder as an advanced statistical graphics software can benefit various industries in presenting and interpreting data.

All text format data can be easily imported to PatternFinder for analysis. In PatternFinder you can create 'Single File Projects' or 'Multiple File Projects' by selecting one or multiple data files to work with. The 'Multiple File Project' allows you to analyze data from several sources at the same time. All data in PatternFinder is displayed in graphic and tabular form. All analysis results can be exported to other software programs.

ADVANTAGES AT A GLANCE

- In-depth analysis tool
- Saves time in data analysing
- An expert software for data logging systems (DAT files)
- Import any time-series data
- Project based, for single and multiple data series

Key Features

PERIODIC STATISTICS ANALYSIS

Statistical analysis with user defined time periods is displayed in a graph with one signal for each statistical parameter such as maximum and minimum.

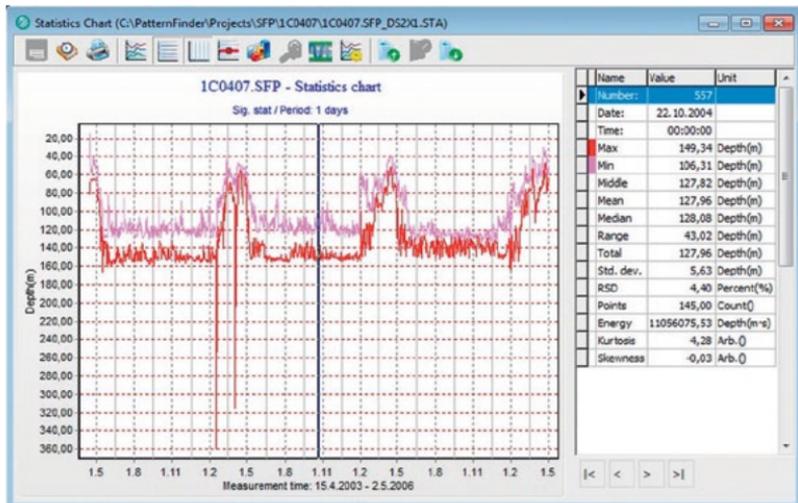


Figure 1: Periodic statistics analysis

SIGNAL FILTERING

Various filtering options are available in PatternFinder which can be used to even out irregularities and filter out irrelevant information. This option is ideal for preparing signals for event analysis or pattern recognition.

SIGNAL OPERATIONS

Signal operations include subtracting one signal from another, comparing and performing a correlation analysis of two signals.

OVERLAYING AND ANALYZING MULTIPLE SIGNALS

Multiple signals (from one or multiple sources) can be overlaid and viewed in the same graph. The data can be viewed as is, shifted to start at the same time or as daily or annual data. Interpolation of the signals is also possible. The user can perform an 'Overlay' statistical analysis.

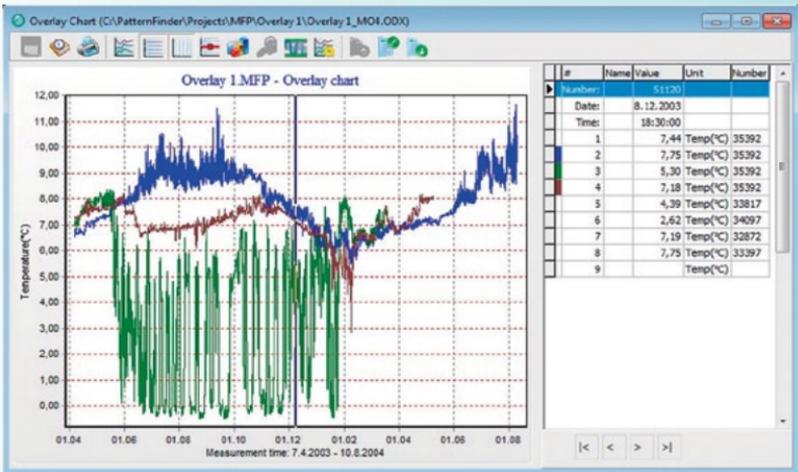


Figure 2: Overlay

EVENT ANALYSIS

Two types of event analysis are available in PatternFinder, behavioral event analysis and ambient/level event analysis. The results from both analysis methods are displayed in graphs or diagrams. Periodic statistics analysis on events is possible.

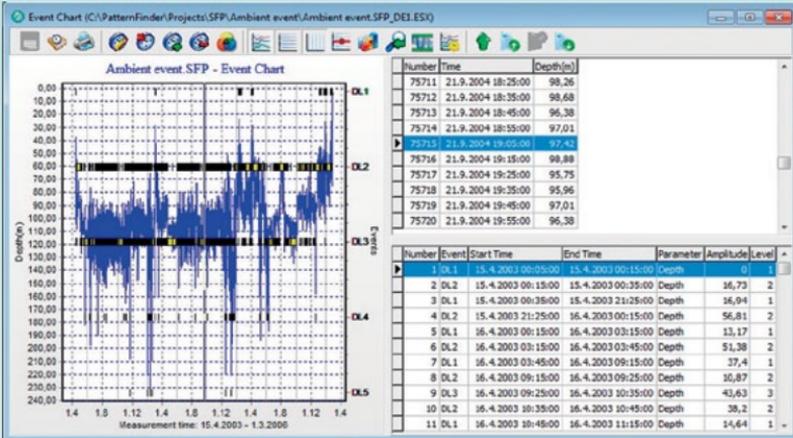


Figure 3: Event analysis

PATTERN ANALYSIS

PatternFinder can find patterns in data either by detecting occurrences of user defined patterns or by scanning the data for possible patterns. The user can also perform periodic statistical analysis on the patterns.

DOCUMENTATION

PatternFinder comes with extensive documentation which includes detailed user manual, tutorials that cover every possible operation in PatternFinder and case studies. All the latest documentation is available on the Star-Oddi website: <http://www.star-oddi.com/Online-Support/User-Manuals/PatternFinder/>

AUTOMATIC UPDATES

When PatternFinder runs it will automatically search the Star-Oddi website for the latest version. The user can also check for updates manually.

PERSONAL SERVICE

Customers are Star-Oddi's best advisors. We are always looking for new ideas and ways to improve our products. Please contact us if you have any suggestions for us.

STAR-ODDI LTD.

Founded in Iceland in 1985, Star-Oddi has become recognized as one of the world's leading manufacturers of technology for research and industry.

Since 1993, Star-Oddi has been manufacturing the Data Storage Tag (DST), a miniature data logger. DST's are ideal for various types of research where small reliable loggers are needed.

Star-Oddi's mission is to offer excellent quality, reliable and well designed products.

THE SAGA OF STAR-ODDI (STJÖRNU-ODDI)

Oddur Helgason lived and worked in Flatey, Skjalfanda, in northern Iceland in the twelfth century. He was a hired labourer on a farm and stood out because of his outstanding knowledge. He used a lot of his time analyzing the movements of the sun, moon and stars resulting in his nickname Star-Oddi.

Star-Oddi's work is considered to be one of the greatest engineering achievements of the Viking Age. His research enabled Vikings to sail over long distances and find their way back home. Scientists have shown that he made remarkably exact observations, centuries ahead of his time.



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